World Leader •In-Rack• Audio & Video Monitoring

WOHLER VMMDA-1

June 23, 2005

"Confidence Plus" HD-SDI or SD-SDI, Digital & Analog Stereo Audio Monitor



Introducing the VMMDA-1, from our new line of "confidence plus" audio monitors. A very compact & light, SDI, digital & analog audio monitor at a very cost effective price. The single-rackspace VMMDA-1 offers selectable monitoring of either 2 channels from HD-SDI or SD-SDI, either 1 stereo analog or 1 AES/EBU digital audio source, with excellent full-range fidelity far exceeding that of competitive units. Two front-firing midrange-tweeter speakers and a compact high-performance woofer are arranged in Wohler Technologies' popular bi-amp design. All Wohler speaker systems are protected against blow-out by limiters. The summed bass feature is important for audible detection of "out of phase" conditions. Electronic rather than acoustic cancellation of bass frequencies provides positive audible detection of out-of-phase (reversed polarity) audio feeds.

The unit features 2 ten-segment VU LED bargraphs level meters meters. Fast and averaging "phase" LEDs give visual alert of "out of phase" conditions. An analog output of the selected SDI, analog or digital stereo source is provided on the rear panel. A three-way toggle switch selects between the analog or digital inputs. Muting may also be activated from a switch remoted from the rear panel (optional extra). An auxiliary analog output of the selected analog or digital source is provided on the rear panel.

The VMMDA-1 is completely magnetically shielded to allow interference-free operation immediately adjacent to all CRT video monitors. The light weight and shallow depth chassis compared to similartype units, make it ideal for use in portable and mobile vehicle applications. Built and rigorously tested in the USA, the VMMDA-1 is backed by a strong warranty and a "Satisfaction Guaranteed" return policy.

Features:

- Only One Rack Space High
- Powerful 96dB SPL at 2 feet (0.6m)
- HD-SDI or SD-SDI Input (autosensing) with Reclocked Output
- Select from Balanced or Unbalanced SDI, AES or Analog Source
- Selection of Audio Pair from Embedded SDI Input is Made by a Convenient Rotary Selection Knob
- 1 Balanced AES/EBU Input
- 1 Unbalanced AES/EBU Input
- 2 Balanced Analog Inputs (1 Stereo)
- 2 Balanced Analog Outputs (1 stereo) Converted from Selected Input
- 2 Ten-Segment VU Level Meters
- Phase / Polarity Indication
- Thorough Magnetic Shielding for Placement next to Video Monitors
- Headphone Jack, Mutes Speakers
- Blowout-Proof Speakers
- Internal Universal AC Mains Power Supply
- Also Available, the VMSDA-1 with SD-SDI, AES/EBU and Analog Inputs, and the VMDA-4 with 4 Stereo AES/EBU and Analog Inputs



Audio Monitoring | Video Monitoring | Alarm Systems | Level Meetering

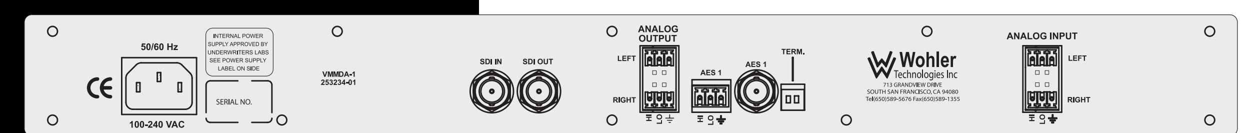
Toll Free (US): 1.888.5.WOHLER • Tel: 510.870.0810 • Fax: 510.870.0811 • 31055 Huntwood Avenue, Hayward, California 94544, USA

www.wohler.com sales@wohler.com

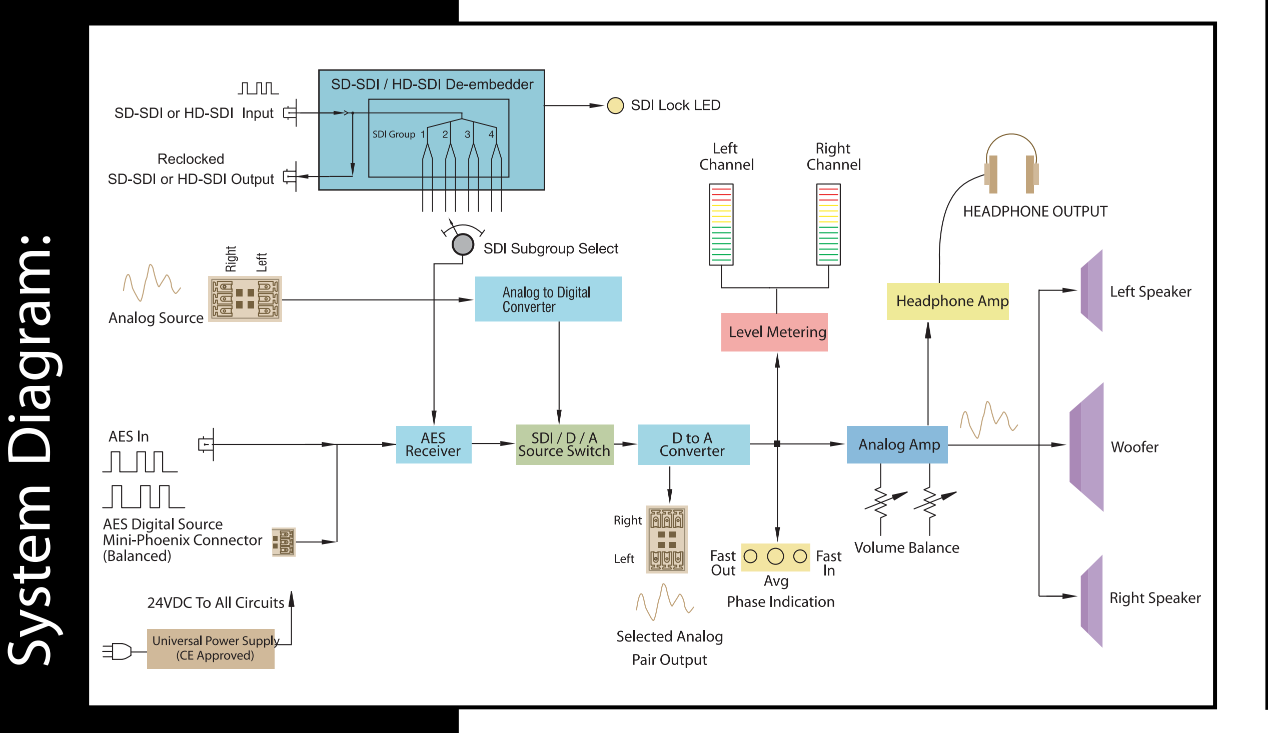
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“Confidence Plus” HD-SDI or SD-SDI, Digital & Analog Stereo Audio Monitor

Rear Panel:



System Diagram:



Specifications:

AES/EBU Input(s)	1 balanced (mini phoenix) or unbalanced (BNC)
HD-SDI or SD-SDI Input / Outputs	1 unbalanced (BNC)
Analog Input(s) / Output(s)	2 balanced (1 Stereo) (mini phoenix)
Analog input impedance	>100 kOhms balanced
AES/EBU input termination	110 Ohms balanced, 75 Ohms unbalanced
AES/EBU input sampling rate	32-48kHz, auto-detecting
Input level for full output (volume full on)	0 dBv analog -20dBfs digital
Hum and noise	better than -70 dB below full output
Acoustic frequency response	80 Hz to 16 kHz (± 6dB)
Peak acoustic output @ 2 feet	96dB SPL
Electrical distortion	<0.3% at any level below limit threshold
Acoustic distortion	typically <2% at any level below limiting, 100Hz - 15KHz
Magnetic shielding	<1 gauss any adjacent surface
Connectors	balanced analog: mini-phoenix unbalanced AES/EBU: BNC (HD)-SDI: BNC
Power consumption	<70W
Dimensions (HxWxD)	1.75 x 19 x 8.5” (44.5 x 483 x 216mm)
Weight	6.8 lbs. (3.1kg)
Power supply	100 to 240VAC, 50/60Hz universal input CE and UL approved



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